FLEXEM——Resistive HMI 4000 Series

Module：FE4070iE

Overview

- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, More energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 4-way serial port, with Ethernet port, more powerful expansion function.
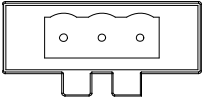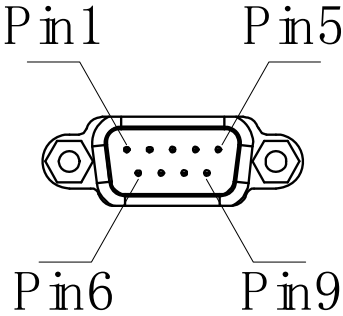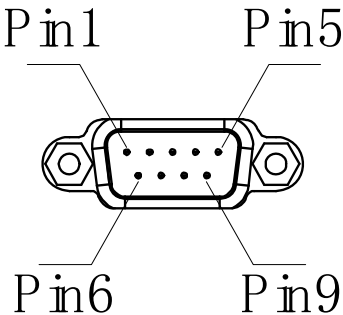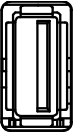- New configuration software, rich library, powerful features.

Appearance

Specifications

Hardware Parameter	Display	7" 16:9 TFT LCD
	Resolution(WxH)	800×480
	Colors	24-bit
	Brightness	360 cd/m²
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen
	CPU	600MHz ARM Cortex-A8
	Memory	128M Flash + 128M DDR3
	RTC	Built in
	SD Card	Available
	Ethernet	10M/100M adaptive
	USB Port	USB Slave 2.0 Port*1, USB Host 2.0 Port*1
	Download Project	USB Slave port/U-disk/Ethernet/SD Card
	COM Port	COM1/COM2: RS232/RS485/RS422 COM3/COM4: RS232
	LCD viewing angle (T/B/L/R)	50'/70'/70'/70'
Electrical Specifications	Power Consumption	< 10W
	Input Power	DC24V,Working range: DC 18V~28V
	Power Protection	Isolated power supply, Protected from thunderstrike and surging
	Power Down Allowed	< 5mS
	CE & RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV; ESD:4KV, Air:8KV
Environmental Requirements	Operating Temperature	0~50℃
	Storage Temperature	-20~60℃]
	Anti-UV	Not suitable to work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH （no condensate）
	Vibration Endurance	10~25Hz(X, Y, Z direction 2G/30 minutes)
	Cooling	Natural Air Cooling
Mechanical Index	Degree of Protection	Front IP65(with NEMA panel, Back IP20)
	Enclosure	Engineering plastic
	Panel Cutout	192mm×138mm
	Dimension	204mm×145mm×44.5mm
	Weight	About 600g

Wiring definition

Power Terminal （Pin1~3 from left to right）		
	Pin1	FG
	Pin2	0V
	Pin3	DC24V
DB9 Serial Terminal(COM1/COM3)		
	Pin1	Rx-(B)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+
(COM2/COM4)		
	Pin1	Rx-(B)
	Pin2	RxD (COM2 RS232)
	Pin3	TxD (COM2 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM4 RS232)
	Pin8	TxD (COM4 RS232)
	Pin9	Tx+
USB Host		
	USB Type A	Used to connect U disk，scan code gun and other peripherals
USB Slave		
	Micro USB	Used to download programs and debug
Ethernet Port		
	RJ45	Used to set Ethernet with controller or connect to seviver

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We will promote devices intellectualization step by step. 3

Size   FE4070iE

189.9

44.5

38.5

135.9
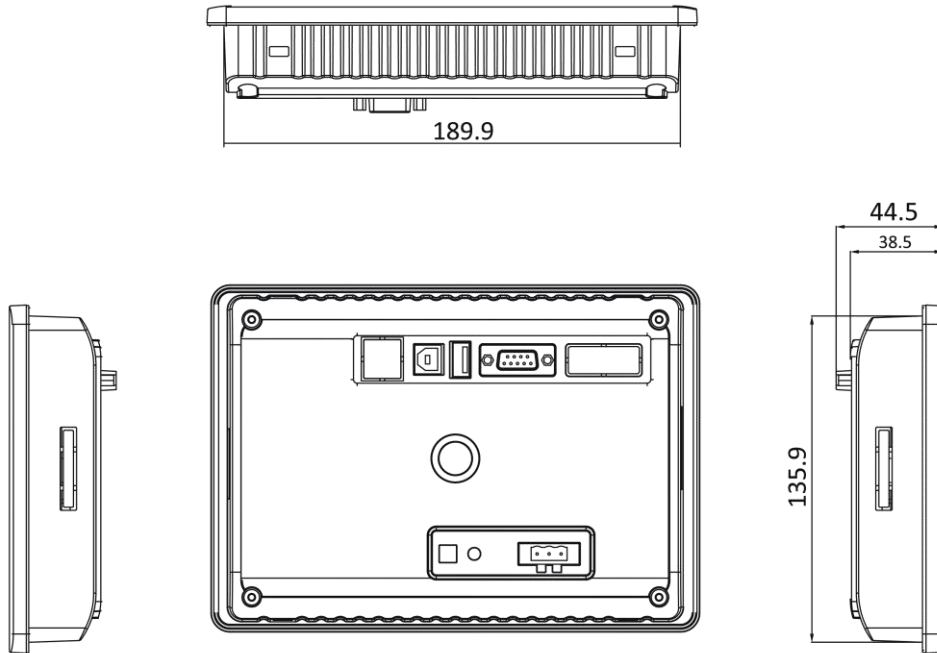
Panel Cutout (W*H): 192*138

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